

MANUFACTURE OF GAS DISCHARGE PANEL

Title:
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Abstract

PURPOSE: To enable sticking of a phosphor on displaying points without interruption of large partitions by spraying a cover substrate, from a nozzle, with a phosphor solution, which is formed by dissolving a phosphor into a solvent, insularly corresponding to discharge points.

CONSTITUTION: While an injection head 1 is slid on a scanning mechanism 3, the scanning mechanism 3 itself is moved perpendicularly to said sliding direction, at every pitch of a picture element on the whole surface of a cover substrate 6. Therefore, a space length is maintained between a nozzle 2 and partitions 7. The cover substrate 6 on which the partitions 7 are processed in advance is fixed not to move on a mounting board 8. Since each temporary stopping position for the injection head 1 moving on the scanning mechanism 3 controlled via a controlling cable 4 from a controlling portion 5 corresponds to each position for the picture element, a phosphor solution is dripped or injected thereat through the nozzle 2 from the injection head 1. Hence, coating of the phosphor 9 is completed on positions which correspond to displaying discharge portions surrounded with the partitions 7 on the bottom part of the substrate 6 by dripping or injection of the phosphor solution from the nozzle 2.

